



MISSOURI DEPARTMENT OF TRANSPORTATION  
TWO & HALF CUBIC YARD TRUCK CAPACITY DUMP BODY WITH DOUBLE ACTING HOIST FOR 1 TON  
CHASSIS-CAB WITH 60" CA. (LESS HYDRAULIC PUMP, TANK, VALVE ASSEMBLY AND HOSES)  
SPECIFICATIONS

**BODY**

Description - Contractor type all welded 12 gauge steel constructed shell, minimum 90" wide inside x 9'6" minimum long and a full 96" outside width, 2.5 cubic yard water level sides and 3.5 cubic yard ends. Backup alarm is to be provided.

The body head sheet metal panel shall have a double or triple flanged or fully boxed top rail. 10ga. quarter cab shield with pre-punch window. {Wire mesh style window, not acceptable}.

The body shall have full height fully boxed rear corner braces with tarp hooks built in for tarp rod. The sides shall have full length triple flanged or fully boxed top rails and full length sloping rub rails. Side board sockets are to be provided front and rear. The body understructure shall be crossmemberless style to prevent buildup of dirt, snow & ice. Long sill to be fully boxed 7ga. or equal strength steel running full length.

**Each rear corner post shall have a built in shock resistant recessed oval LED stop/taillight. Chassis lights to be retained for additional stop/taillights and back up light. Loomed protected wiring harness required.**

The body tailgate will be double panel construction with 12ga. outer panel and 10ga. inner panel. Boxed braced steel top rail, side and bottom rail. Top rail to be gravel shedding. Tailgate will be double acting with quick release one handle lever release for easy drop down action on tailgate. Shall have toe saver brackets on each side for driver safety. It will have a minimum 5/16" spreader and hold chains, standard hardware with overhanging top hinge with a minimum of 1" diameter **greasable** top pin. Bottom hinge pin will be a minimum of 1" diameter. The trip handle is to be upright on left front corner of the body and mounted so as not to interfere with the opening and closing of truck cab door. The trip handle should open the lower hinge on the tailgate with little effort and should not travel more than approximately 90 degrees to a horizontal position. When the tailgate is open to a horizontal position the tailgate should be level with the dump body floor. **A minimum 3/16" x 1 1/2" x 1 1/2" (or equal strength) license plate bracket shall be welded to the tailgate.**

Flared body bracket guides will be attached to either hoist frame or body understructure to align body in position and keep from moving from side to side. A safety body prop should also be provided.

**HOIST - Class C, Minimum 8 Ton Capacity, Underbody Double Arm Scissors Type with Double Acting Hoist**

Double acting cylinder {5" x 20" stroke} providing power-up and power down. The cylinder should have a bypass or relief valve which limits the dumping angle to a maximum of 45 degrees. Hoist hinges may be welded or fastened to longitudinal members. (Bolted hinges are preferred but either type will be acceptable). Hoist lift arm connection assembly is to be integral with body. Hinge pins to be removable type with a minimum of 1 1/4" diameter. Do not include hydraulic pump, tank, valve assembly and hoses.

**COLOR** - Color to be same as the truck specified on the purchase order. The entire unit must have complete immersion in electrodeposition prime paint system. Under structure fully undercoated. Front & rear flaps required. 1/2x24x24 and 1/2x24x30".

**GENERAL** - Bids will not be considered on any body and hoist that deviates from these specifications.

Descriptive literature and complete technical data must be furnished with your bid.

The Missouri Highway and Transportation Commission reserves the right to waive technicalities and to reject any or all bids and no bid is final until formally accepted by the Commission.